

Fig. 1

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graph TD
    140([START]) --> 142[RECEIVE VOLUME  
CREATE COMMAND]
    142 --> 144[ANALYZE VOLUME  
PARAMETERS VS. AVAILABLE  
STORAGE SPACE OF THE CSA]
    144 --> 146{CAN  
CSA SERVICE  
THE LOGICAL DATA  
VOLUME  
?}
    146 -- Y --> 151[SELECT STORAGE  
ARRAYS AND DEFINE  
PORTIONS FOR THE  
LOGICAL DATA VOLUME]
    151 --> 152[CREATE THE VOLUME WITH THE  
CORRECT SIZE, AVAILABILITY AND  
PERFORMANCE ON EACH OF THE  
SELECTED STORAGE ARRAYS OF THE CSA]
    152 --> 154{VOLUME  
CREATION  
COMPLETE  
?}
    154 -- N --> 152
    154 -- Y --> 156[BUILD VOLUME  
INFORMATION AND SEND  
TO HOST-BASED  
STRIPING SOFTWARE]
    146 -- N --> 148[RETURN STATUS TO  
REQUESTOR  
INDICATING REASON  
FOR LACK OF CREATION]
    156 --> 150([END])
    148 --> 150

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Fig. 2

Fig. 2

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158
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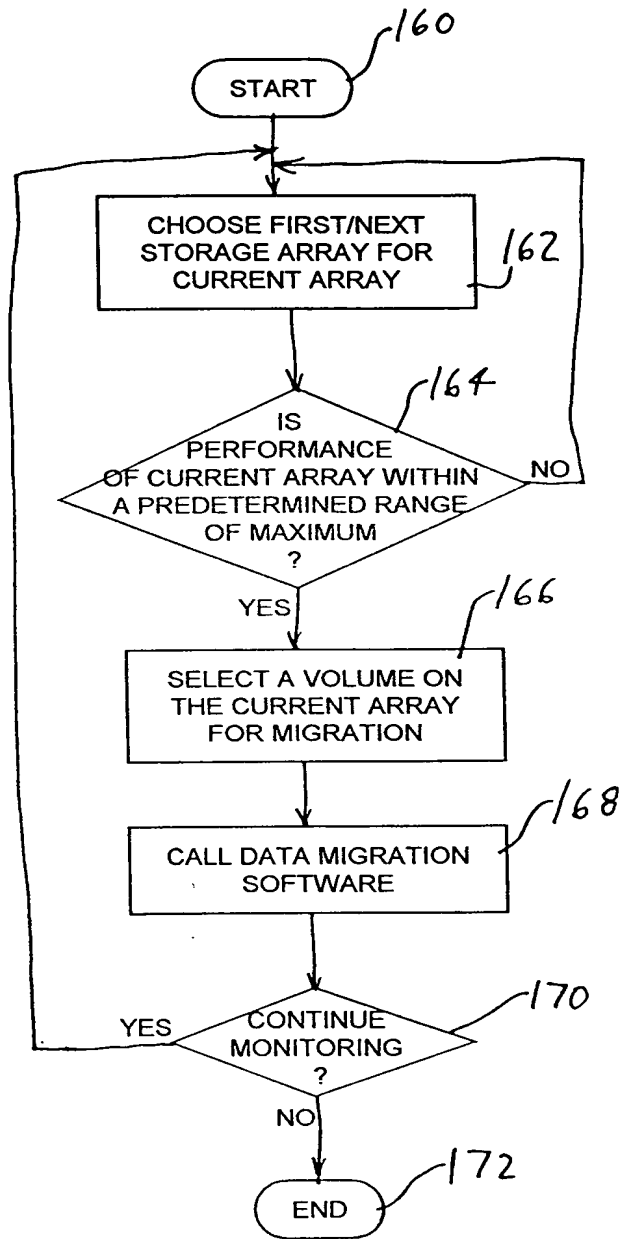


Fig. 3


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graph TD
    188([START]) --> 190[CALL VOLUME CREATE SOFTWARE TO REALLOCATE SELECTED LOGICAL DATA VOLUME]
    190 --> 192[CHOOSE FIRST (NEXT) REGION TO MIGRATE - "CURRENT REGION"]
    192 --> 194["LOCK" CURRENT REGION AT EACH HOST DEVICE AND EACH STORAGE ARRAY]
    194 --> 196[PERFORM MIGRATION OF CURRENT REGION]
    196 --> 198{MIGRATION OF CURRENT REGION COMPLETE?}
    198 -- NO --> 192
    198 -- YES --> 200[UPDATE VOLUME INFORMATION IN STORAGE ARRAYS TO INDICATE WHICH REGION HAS BEEN MIGRATED]
    200 --> 202[UPDATE HOST-BASED STRIPING SOFTWARE WITH TWO REGIONS FOR LOGICAL DATA VOLUME:  
1 - MIGRATED DATA,  
2 - DATA WAITING TO BE MIGRATED]
    202 --> 204["UNLOCK" CURRENT REGION]
    204 --> 206{VOLUME MIGRATION COMPLETE?}
    206 -- NO --> 192
    206 -- YES --> 208([END])
  
```

Fig. 5

Fig. 5

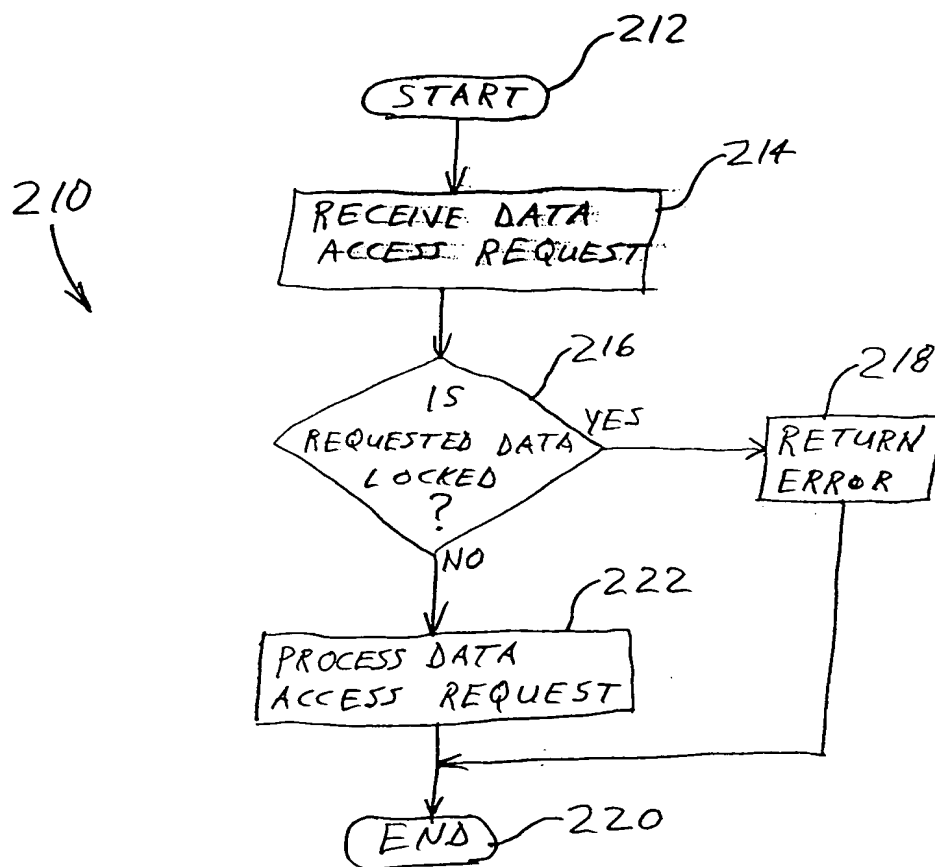


Fig. 6